Curriculum vitae

Rishi Prasad

Bachelor of Engineering, 2nd year in Computer Science

Birla Institute of Technology & Science (BITS) Pilani,

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Git-Hub: https://github.com//RishiP2006

Objective: As a motivated and dedicated B.E. Computer Science student, I aspire to leverage my passion for the Computer Science for making a positive impact on the world. For this, I am looking forward to work with world's leading organizations, where I can collaborate with like-minded individuals and make meaningful contributions to the field.

Education:

Class	Organization	Curriculum & Subjects	Score
B.E. 1st Year	BITS Pilani, Hyderabad	Electrical Engineering, Physics, General Chemistry, Calculus	9.43 out 10 (CGPA)
12th	DPS International, New Delhi	**Cambridge-A level** with Math, Physics, Chemistry, InformationTechnology (IT), English	82%
10th	DPS International, New Delhi	**Cambridge-IGCSE** withEnglish, Math, Physics, Information Technology	95% (A* in all eight subjects)
1-5th	Heidelberg International School, Germany	**International Baccalaureate (IB)**	Descriptive assessments

Project Activities:

Summer internship at IIT-Delhi (May 2025 – July 2025):

1. **ML models for differentiation of different stages of Drosophila:** Under this project, I utilized around 7000 labelled images from eight different stages of Drosophila life cycle, and then fine-tuned different pre trained ML models from different libraries such as tensor-flow and Pytorch. I unfreezed 40 to 100 layers of these models to train them on augmented images of these stages of Drosophila. Among the 4 models I trained the maximum accuracy of 78% was obtained from the "InceptionV3" model.

2. **Developed Streamlit web apps to host ML models:** To allow other researchers to use these models for their work, I first hosted them on "Hugging Face" website which is a popular platform to store different ML models. Then developed a Streamlit web app coded through VS Code and then hosted on Streamlit Cloud for global deployment. The web app allowed users to upload images or use their camera to capture live video of drosophila for prediction of the life stage.

Coding Skills:

* Pulled Requests on open-source projects on GitHub to fix beginner issues
* Learnt basics in python, now doing machine learning from Andrew NG course and learning about different prediction algorithm
* Built a stock (NIFTY 50) analyzing and predicting model using Random Forest Classifier for a hackathon

  Link: - https://github.com/RishiP2006/ML-Trading-Model.git
* Learnt basics in C language (college curriculum)
* Web development and design using Dreamweaver

Achievements:

1. Got selected and completed the Google Student Upskilling Launchpad program: which trains students for placement interviews, teaching them about DSA, critical thinking, etc.
2. Cleared JEE (Joint Entrance Exam) Main 2024 with 98.63 Percentile (AIR: 21729)
3. Cleared JEE Advanced 2024 with AIR 10554 (Admission offer in IIT Mandi)
4. BITSAT-2024 score: 303/390

5. Received 100% Scholarship for admission to B.E. degree in BITS Pilani, Hyderabad

6. Received 75% Scholarship for admission to B.Tech degree in Plaksha University, Mohali

Participation in Workshops:

1. Participated in the "Research AI Summit" hosted in National Institute of Plant Genome Research, New Delhi (June 9 – 10, 2025), and received 1st place for the Hands-on Workshop in teams

2. Participated in a "ML workshop" hosted by BITS Pilani, Hyderabad Campus (November 8-10, 2024)

Other Skills:

- Intermediate expertise in Microsoft Office, MS-Access, Photoshop, Illustrator
- 2 years experience in video editing (for own YouTube channel)

References:

- **Dr Sridev Mohapatra, Associate Professor**

  BITS Pilani Hyderabad, Email: sridev.mohapatra@hyderabad.bits-pilani.ac.in
- Dr Ishaan Gupta, Assistant Professor,

  IIT Delhi, Email: ishaan@iitd.ac.in
- **Dr Shailesh Kumar**, Computer Scientist

  National Institute of Plant Genome Research, New Delhi. Email: shailesh@nipgr.ac.in

Personal information:

- Date of Birth: 5th Aug. 2006
- Father's occupation: Genomics Scientist
- Mother's occupation: House-wife
- Family's Residence address: T-107, National Institute of Plant Genome Research,Aruna Asaf Ali Marg, JNU Campus, New Delhi-110067